

Course Name : Process simulate standalone –Basic level

Course Duration : 40 Hrs.

Description

In this Process Designer Basics course, students explore the Process simulate ability to directly view nodes from the product tree, operation tree, or resource tree.

Basics Prerequisites

Previous experience with a 3D CAD system is recommended and NX cad Plant simulation Software requirement.

Contents

- Introduction
- Prototype and instance, Creating a study
- Process simulate viewer overview & Customizing the user Configuration
- Window layout management & Graphical Viewer setup
- Introduction to placement , fast placement and restore object initial position, Changing to placement manipulator, relocate, Creating and using snapshots

Spot welding applications

- Process methodology
- Projecting spot manufacturing features & Editing a weld path
- Multi sections and WDC & Creating A mounted work piece

Material handing applications

- Overview of Gripper & Pick and place operations

Creating operations and sequences of operations

- Compound operation
- Non sim operation
- Object flow operation
- Device operation & Weld operation
- Gripper operation
- Continuous feature operation
- Pick and place operation & Generic robotic operation